

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) Method for joint transmission of ISDN and ADSL data between a first station and a second station via a transmission line, having the following steps:

- (a) modulation of an ISDN data stream by means of an ADSL modulator to form an ADSL data stream in the first station for transmission as a mixed data stream in the current upstream direction to the second station, with the ISDN data stream in the mixed data stream in the current upstream direction being modulated onto carrier frequencies, which are reserved for this purpose, in a first frequency band, and the ADSL data stream in the mixed data stream in the current upstream direction being modulated above the first frequency band;
- (b) demodulation of the mixed data stream in the second station by means of an ADSL demodulator to form a corresponding transmitted ADSL data stream and a corresponding transmitted ISDN data stream;
- (c) modulation of an ISDN data stream by means of an ADSL modulator to form an ADSL data stream in the second station for transmission as a mixed data stream in the current downstream direction to the first station, with the ADSL data stream in the mixed data stream in the current downstream direction being modulated in a second frequency band above the first frequency band; and

- (d) demodulation of the mixed data stream in the first station by means of an ADSL demodulator to form a corresponding transmitted ADSL data stream and a corresponding transmitted ISDN data stream; and
- (e) selectively activating or deactivating the carriers in the first frequency band for providing a hot-start capability of the ISDN-transmission.

2. (Previously Presented) Method according to Claim 1, wherein the first frequency band is between 0 and 138 kHz, preferably between 0 and 25 kHz.

3. (Previously Presented) Method according to claim 1, wherein the second frequency band is between 138 and 1100 kHz, preferably between 138 and 550 kHz.

4. (Previously Presented) Method according to claim 1, wherein the first frequency band has a moveable upper limit for the ADSL modulated ISDN data stream.

5. (Previously Presented) Method according to claim 1, wherein the first station is a home station, and the second station is a central office station.

6. (Previously Presented) Apparatus for joint transmission of ISDN and ADSL data by means of the method according to claim 1, having:

an ISDN transceiver, which is provided in the first station for transmission and reception of the ISDN data stream and is connected firstly to the ADSL modulator and secondly to an ISDN terminal, preferably an ISDN telephone.

7. (Previously Presented) Apparatus according to Claim 6, wherein at least one SLIC/CODEC device is provided in the first station, and is connected firstly to the ADSL modulator and secondly to an analogue terminal, preferably to an analogue telephone.

8. (Previously Presented) Apparatus according to Claim 7, wherein a relay device is connected between the at least one SLIC/CODEC device and the transmission line, in order to provide an emergency power function.